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10/678,356	10/02/2003	Robert E. Kahn	06154-011004	1815

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EXAMINER
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ART UNIT	PAPER NUMBER
2135	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Office Action Summary	10/678,356	KAHN ET AL.
	Examiner	Art Unit	
	Joseph Pan	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>15 June 2007</u>.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>51-67</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>51-67</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on <u>02 October 2003</u> is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>5/28/04 & 10/2/03</u>.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

1.   Applicant's response filed on June 15, 2007 has been carefully considered. Examiner thanks the applicant's representative for clarifying that claims 1-50 have been canceled, and that new claims 51-67 have been added in the preliminary amendment. Therefore, the claims 1-50 rejection, dated June 15, 2007, has been withdrawn. ·Claims 51-67 are pending.

ABSTRACT

2.   The abstract of the disclosure is objected to because there are extraneous characters "181925.B11 ". Correction is required. See MPEP 608.01(b).

Claim Rejections - 35 USC § 102 (e)

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 (e) that form the basis for the rejections under this section. made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

4. · Claims 51-67 are rejected under 35 U.S.C. 102 (e) as being anticipated by Wyman (U.S. Patent No. 5,260,999).

Referring to claim 51:

Wyman teaches:

A method comprising

at each repository of a set of repositories at which digital objects are stored, exposing an interface that is configured to respond to service requests conforming to a repository access protocol, the repository access protocol being used in common by the repositories (see figure 1; column 6, lines 43-61 of Wyman), and in which

each of the service requests to which the interface is configured to respond includes a globally unique persistent identifier of at least one of the digital objects (see figure 2, element 36 of Wyman),

the service requests include an access request for accessing at least one digital object or data related to at least one digital object and a deposit request for depositing at least one digital object or data related to at least one digital object (see column 46, lines 20-47 of Wyman).

Referring to claim 52:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 1 above). Wyman further discloses the service request (see column 7, lines 3-12 of Wyman), and the parameter (see column 26, line 35 of Wyman).

Referring to claim 53:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 1 above). Wyman further discloses the metadata (see e.g. figure 2; and column 14, lines 26-34 of Wyman).

Referring to claim 54:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 1 above). Wyman further discloses that the service request are dependent on a type of data in the digital object (see column 7, lines 3-12 of Wyman).

Referring to claim 55:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 1 above). Wyman further discloses the executables (see column 2, lines 6-8 of Wyman).

Referring to claim 56:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 1 above). Wyman further discloses the result of a request (see column 22, lines 4-10 of Wyman).

Referring to claim 57:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 1 above). Wyman further discloses the transaction (see column 15, lines 62-64 of Wyman).

Referring to claim 58:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 1 above). Wyman further discloses the properties record associated with the digital object (see e.g. figure 2 of Wyman).

Referring to claim 59:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 1 above). Wyman further discloses the reference servicing a reference request at a repository by identifying sources of information about at least one digital object that is a subject of the reference request (see column 7, lines 22-40 of Wyman).

Referring to claim 60:

Wyman teaches:

A method comprising storing, communicating, or receiving a digital object, the digital object being typed as one of the following types: bit-sequence, digital-object, handle, set-of-bit-sequences, set-of-digital objects and set-of-handles (see figure 3, column 15, line 65-column 16, line 4 of Wyman).

Referring to claim 61:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 60 above). Wyman further discloses the registering (see column 28, lines 37-38 of Wyman).

Referring to claim 62:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 60 above). Wyman further discloses the subtype within one of the types (see figure 3; and column 15, line 65-column 16, line 4 of Wyman).

Referring to claim 63:

Wyman teaches:

A method comprising storing, communicating, or receiving a properties record associated with a digital object, the properties record including metadata for the digital object (see figure 3; and column 15, line 65-column 16, line 4 of Wyman).

Referring to claim 64:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 63 above). Wyman further discloses the key-metadata (see figure 3; and column 14, lines 26-34 of Wyman).

Referring to claim 65:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 63 above). Wyman further discloses the unique identifier (see figure 3, element 36 of Wyman).

Referring to claim 66:

Wyman teaches:

A method comprising

storing an immutable digital object in a repository, and serving all access requests that are functionally dependent on data of the digital object by identical disseminations (see column 6, lines 43-61 of Wyman).

Referring to claim 67:

Wyman teaches the claimed subject matter: a method for managing digital objects in a network (see claim 66 above). Wyman further discloses the metadata

associated with the digital object (see e.g. figure 2; and column 14, lines 26-34 of Wyman).

Conclusion

5.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Pan whose telephone number is 571-272-5987.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached at 571-272-3859. The fax and phone numbers for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

Joseph Pan
August 1, 2007

KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100